AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Cancelled)

2. (Cancelled)

3. (Currently Amended) A method for producing an enzyme preparation from a growing culture of *Termitomyces clypeatus*, said preparation containing ~~high~~ increased cellobiase activity in comparison to a control culture, ~~said~~ the method comprising:

(a) inoculating a mycelial culture of ~~a strain of~~ the *Termitomyces clypeatus* into sterilized medium containing ~~0.05~~ from about 10 µg/ml to ~~5%~~ about 2 mg/ml of a glycosylation inhibitor at pH between 3 to 8;

(b) ~~incubating~~ growing the mycelial culture at temperatures between 20-37°C under shaking in aerobic conditions; and

(c) separating the culture medium from the mycelia to produce the enzyme preparation containing ~~high~~ cellobiase activity that is increased at least about 1.15-fold to about 97-fold in comparison to cellobiase activity produced by the same organism under the same conditions in absence of the glycosylation inhibitor.

4. (Cancelled)

5. (Cancelled)

6. (Previously Amended) The method of claim 3 wherein the medium contains assimilable carbon and nitrogen sources, inorganic salts and organic nutrients.

7. (Previously Amended) The method of claim 6 wherein the assimilable carbon sources used are carbohydrates, agrowastes, TCA cycle acids, amino acids, or D-glucosamine wherein the carbohydrates are selected from the group consisting of

cellobiose, mannose, fructose, xylose, arabinose, starch, dextrin, cellulose, cotton, and xylan; wherein the agrowastes are selected from the group consisting of baggasse powder, rice-straw powder, wheat bran, corn cob powder, and corn powder; wherein the TCA cycle acids are selected from the group consisting of succinate, fumarate, and maleate; and wherein the amino acids are selected from the group consisting of aspartate, glutamate, serine, histidine, and alanine.

8. (Currently Amended) The method of claim 3 wherein the glycosylation inhibitor is selected from the group consisting of tunicamycin, ~~deoxynojirimycin~~ 1-deoxynojirimycin, 2-deoxy-D-glucose and D-glucono-lactone.

9. (Previously Amended) The method of claim 6 wherein the assimilable nitrogen source is selected from the group consisting of ammonium chloride, ammonium nitrate, ammonium di hydrogen orthophosphate, and potassium nitrate.

10. (Previously Amended) The method of claim 3 wherein the sterilized medium further comprises an organic nutrient selected from the group consisting of malt extract, yeast extract, potato extract, peptone, soya-peptone, bactopeptone, and corn steep liquor.

11. (Previously Amended) The method of claim 3 wherein the sterilized medium further comprises a detergent selected from the group consisting of Tween-20, Tween-80, and Tween-100.

12. (Previously Amended) The method of claim 3 wherein the enzyme preparation containing high cellobiase activity also contains high endo-glucanase activity and high cellobiohydrolase activity.

13. (New) The method of claim 8, wherein the enzyme preparation containing high cellobiase activity is an enzyme preparation containing cellobiase activity that is at least about 2.2 units/ml, and wherein the sterilized medium contains about 0.05 mg/ml 2-deoxy-D-glucose.

14. (New) The method of claim 13, wherein the enzyme preparation containing high cellobiase activity is an enzyme preparation having cellobiase activity

that is at least about 50 units/ml, wherein the sterilized medium contains about 1 mg/ml 2-deoxy-D-glucose.

15. (New) The method of claim 14, wherein the enzyme preparation containing high cellobiase activity is an enzyme preparation having cellobiase activity that is at least about 90 units/ml, wherein the sterilized medium contains about 300 μg/ml 2-deoxy-D-glucose.

16. (New) The method of claim 14, wherein the enzyme preparation containing high cellobiase activity is an enzyme preparation having cellobiase activity that is at least about 140 units/ml, wherein the sterilized medium contains about 1 mg/ml 2-deoxy-D-glucose and further contains about 500 μg/ml mannose.

17. (New) The method of claim 8, wherein the enzyme preparation containing high cellobiase activity is an enzyme preparation having cellobiase activity that is at least about 6.18 units/ml, wherein the sterilized medium contains at least about 2 mg/ml glucono-lactone.

18. (New) The method of claim 8, wherein the enzyme preparation containing high cellobiase activity is an enzyme preparation having cellobiase activity that is at least about 1.4 units/ml, wherein the sterilized medium contains at least about 80 μM 1-deoxynojirimycin.